

**Q20A\_3. Fertilizers other than poultry litter caused the increased phosphorus?**

YES..... 1

NO ..... 0

Here are some examples of things the respondent might say that would lead you to type a 1 for this decision caused the increased phosphorus:

Fertilizers in general

Here are some examples of things the respondent might say that would lead you to type a 0 for this decision caused the increased phosphorus:

The use of phosphorus as a fertilizer

**Q20A\_4. Algae caused the increased phosphorus?**

YES..... 1

NO ..... 0

**Q20A\_5. Increased phosphorus is caused by something other than poultry litter, the poultry industry, sewage, other fertilizers, or algae?**

YES..... 1

NO ..... 0

Here are some examples of things the respondent might say that would lead you to type a 1 for this decision caused the increased phosphorus:

Farms in general	Low water flows	Camping
Pollution in general	Low water levels	Canoeing
Trash from tourists	Not enough water	Erosion
Trash from people	Low rain levels	Septic tanks
Agriculture other than poultry		

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**Q20A\_6.** The increased phosphorus is in rivers or lakes other than Tenkiller Lake, the Illinois River, or creeks flowing into it?

YES..... 1

NO ..... 0

Type a 1 if the respondent's answer says something about rivers or lakes other than Tenkiller Lake, Lake Tenkiller, the Illinois River, Flint Creek, or Barren Fork Creek.

**Q20A\_7.** He/she **did not know or remember** the answers to the questions he/she was asked?

YES..... 1

NO ..... 0

Respondent must explicitly state that he/she did not remember. Do not assume the respondent did not know or remember just because a cell is blank or because the respondent rambled through a non-specific response or for some other reason.

**Q20A\_8.** He/she **refused to answer** the questions he/she was asked?

YES..... 1

NO ..... 0

You should type a 1 if the respondent explicitly refused to answer. Do not assume the respondent refused just because the response cell in the file was blank or for some other reason. Should not include blank responses.

**Q20A\_9.** The cell where the respondent's answer would appear is **blank**.

YES..... 1

NO ..... 0

You should type a 1 only if there is no response in the cell.

**Q20A\_10.** He/she said something that **did not get categorized** with a yes in any of your prior decisions?

YES..... 1

NO ..... 0

**Decisions You Will Make for Survey Question Q22A**

- **Q22A.** What had you heard? (follows Q22: Before today, had you heard that alum could reduce algae in water?)

**Did the respondent say that:****Q22A\_1. Alum reduces algae in water?**

YES..... 1

NO ..... 0

Here are some examples of things the respondent might say that would lead you to type a 1 for this decision:

Reduces algae in ponds

Reduces algae in tanks

Reduces algae in rivers

Reduces algae in lakes

Reduces algae in streams

Reduces algae in swimming pools

**Q22A\_2. Alum is used in water treatment plants?**

YES..... 1

NO ..... 0

Here are some examples of things the respondent might say that would lead you to type a 1 for this decision:

Use in water treatment plants to treat the water

Use in water treatment plants to clean the water

Employed in water treatment plants

**Q22A\_3. Alum can clear up or clean up the water?**

YES..... 1

NO ..... 0

Here are some examples of things the respondent might say that would lead you to type a 0 for this decision:

Anything about how alum reduces algae

Alum is used in water treatment plants

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**Q22A\_4.** He/she **did not know or remember** the answers to the questions he/she was asked?

YES..... 1

NO ..... 0

Respondent must explicitly state that he/she did not remember. Do not assume the respondent did not know or remember just because a cell is blank or because the respondent rambled through a non-specific response or for some other reason.

**Q22A\_5.** He/she **refused to answer** the questions he/she was asked?

YES..... 1

NO ..... 0

You should type a 1 if the respondent explicitly refused to answer. Do not assume the respondent refused just because the response cell in the file was blank or for some other reason. Should not include blank responses.

**Q22A\_6.** The cell where the respondent's answer would appear is **blank**.

YES..... 1

NO ..... 0

You should type a 1 only if there is no response in the cell.

**Q22A\_7.** He/she said something that **did not get categorized** with a yes in any of your prior decisions?

YES..... 1

NO ..... 0

## Decisions You Will Make for Survey Question W1

### ► W1A. Why did you vote against the alum treatments?

#### Did the respondent say that:

##### W1A\_1. The cost is too high for him or her or their household?

YES..... 1

NO ..... 0

The respondent needs to explicitly say that the cost is too high for him or her or their household.

Here are some examples of things the respondent might say that would lead you to type a 1 for this decision:

I can't afford it

On a fixed income

It's more than I can afford

It's more than my household  
can afford

Here are some examples of things the respondent might say that would lead you to type a 0 for this decision:

Cost too high in general

It will cost too much for people  
other than the respondent

##### W1A\_2. The cost is too high for people other than the respondent or his/her household?

YES..... 1

NO ..... 0

The respondent must specify that the cost would be too high for other people or someone else.

Here are some examples of things the respondent might say that would lead you to type a 1 for this decision:

Other people might not be able  
to pay

Other people can't afford to  
pay

Here are some examples of things the respondent might say that would lead you to type a 0 for this decision:

The cost is too high in general

**W1A\_3. The benefits of the program are not worth the cost?**

YES..... 1

NO ..... 0

Here are some examples of things the respondent might say that would lead you to type a 1 for this decision:

The cost is too much for only a  
10-year benefit

**W1A\_4. The cost of the program is too high?**

YES..... 1

NO ..... 0

You should type a 1 if the respondent's answer does not specify for whom the cost is too much.

Here are some examples of things the respondent might say that would lead you to type a 1 for this decision:

The cost

It would cost too much

The cost is too high in general

Here are some examples of things the respondent might say that would lead you to type a 0 for this decision:

Cost is too high given stated  
benefits

Cost is too high for the  
respondent or his/her  
household

Cost is too high for others

**W1A\_5. He/she does not want to pay more taxes?**

YES..... 1

NO ..... 0

**W1A\_6. People who do not live near the river or lake or use them will not want to pay?**

YES..... 1

NO ..... 0

**W1A\_7. Users should pay for cleaning up the river or lake?**

YES..... 1

NO ..... 0

The users include people who visit the river and lake for sightseeing or recreation. If the respondent says we should use fishing licenses, hunting licenses, or recreation fees, assume they mean that users should pay.

Here are some examples of things the respondent might say that would lead you to type a 1 for this decision:

People who visit the river or  
lake should pay

**W1A\_8. Polluters should pay for cleaning up the river or lake?**

YES..... 1

NO ..... 0

Polluters include any the following:

Arkansas chicken farmers	Chicken farms	Oklahoma turkey growers
Arkansas chicken farms	Chicken growers	Oklahoma turkey industry
Arkansas chicken growers	Chicken industry	Oklahoma turkey litter
Arkansas chicken industry	Chicken litter	Oklahoma turkey pollution
Arkansas chicken litter	Chicken pollution	Oklahoma turkey poop
Arkansas chicken pollution	Chicken poop	People who use fertilizers other than poultry litter
Arkansas chicken poop	Oklahoma chicken farmers	Poultry farmers
Arkansas poultry farmers	Oklahoma chicken farms	Poultry farms
Arkansas poultry farms	Oklahoma chicken growers	Poultry growers
Arkansas poultry growers	Oklahoma chicken industry	Poultry industry
Arkansas poultry industry	Oklahoma chicken litter	Poultry litter
Arkansas poultry litter	Oklahoma chicken pollution	Poultry pollution
Arkansas poultry pollution	Oklahoma chicken poop	Poultry poop
Arkansas poultry poop	Oklahoma poultry farmers	Sewage treatment plants
Arkansas turkey farmers	Oklahoma poultry farms	Turkey farmers

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Arkansas turkey farms	Oklahoma poultry growers	Turkey farms
Arkansas turkey growers	Oklahoma poultry industry	Turkey growers
Arkansas turkey industry	Oklahoma poultry litter	Turkey industry
Arkansas turkey litter	Oklahoma poultry pollution	Turkey litter
Arkansas turkey pollution	Oklahoma poultry poop	Turkey pollution
Arkansas turkey poop	Oklahoma turkey farmers	Turkey poop
Chicken farmers	Oklahoma turkey farms	Tyson

**W1A\_9. Someone other than users or polluters should pay for cleaning up the river or lake?**

YES..... 1

NO ..... 0

You should type a 1 if respondent says that someone else should pay, but does not specify whether someone else is the polluter or the user.

Here are some examples of things the respondent might say that would lead you to type a 1 for this decision:

We shouldn't have to pay for what they did	I didn't make the mess, so they should clean it up	Farmers (general)
Farmers (general)	Corporations / companies (general)	Beef / Cattle farms
Farmers (general)	Corporations / companies (general)	Beef / Cattle farms

**W1A\_10. He/she does not like the way the payments would be collected?**

YES..... 1

NO ..... 0

Here are some examples of things the respondent might say that would lead you to type a 1 for this decision:

Don't like the one time payment	Don't like the lump sum payment	Think payment should be spread over 5 years
---------------------------------	---------------------------------	---



**W1A\_11. The program does not do enough to fix the problem in the river and lake?**

YES..... 1

NO ..... 0

You should only use this category if the respondent mentions not doing enough but does not mention cost. Here are some examples of things the respondent might say that would lead you to type a 1 for this decision:

Didn't think it would do that much	Only get a 10-year benefit	Cleans up in 50 rather than 60 years
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Here are some examples of things the respondent might say that would lead you to type a 1 for this decision:

Didn't think it would do that much	Only get a 10-year benefit	Cleans up in 50 rather than 60 years
The cost is too much for only a 10-year benefit	The cost is too much for such a small impact	Results aren't great enough for such a small cost.

**W1A\_12. He/she was not sure whether the program would work?**

YES..... 1

NO ..... 0

The respondent explicitly says that they do not think one or more aspects of the program would actually have the intended benefit or that they were not sure about some other aspect of the program.

Here are some examples of things the respondent might say that would lead you to type a 1 for this decision:

Don't know if it will work	Don't know if alum treatments will work	Don't think it will work
Don't think alum treatments will work	How will they dispose of the litter?	Questions about the logistics of the alum treatments
Don't think the program will stop the problem	Don't believe how long it will take	Thinks the tax will be more than 1 year

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**W1A\_13. The treatments could have other bad effects that are not known now?**

YES..... 1

NO ..... 0

Here are some examples of things the respondent might say that would lead you to type a 1 for this decision:

Not sure if alum is safe

Don't want to create another problem by using alum

**W1A\_14. If the program is implemented in the river and lake next year, it would be done for other rivers and lakes in Oklahoma in the future?**

YES..... 1

NO ..... 0

**W1A\_15. If taxes are increased for this particular program, the money might be used for other purposes?**

YES..... 1

NO ..... 0

Here are some examples of things the respondent might say that would lead you to type a 1 for this decision:

Taxes will be used for cleaning up other rivers and lakes in Oklahoma

**W1A\_16. This program only helps a few rivers and/or lakes?**

YES..... 1

NO ..... 0

Here are some examples of things the respondent might say that would lead you to type a 1 for this decision:

Only helps the Illinois River

Only helps Tenkiller lake

Only helps the river and lake

Only helps the river

Only helps the lake

Only helps part of the state's waters

**W1A\_17. Other issues are more important?**

YES..... 1

NO ..... 0

Here are some examples of things the respondent might say that would lead you to type a 1 for this decision:

Other issues are more important	Other issues are more pressing	There are better things to spend money on
Should spend money on something else instead	Should spend money on education	Should spend money on repairing roads
Should spend money on reducing crime	Should spend money on improving local libraries	

**W1A\_18. He/she wants to let nature solve the problem?**

YES..... 1

NO ..... 0

Here are some examples of things the respondent might say that would lead you to type a 1 for this decision:

The river and lake will recover without alum treatments	The river will recover without alum treatments	The lake will recover without alum treatments
The river and lake will recover on their own	The river will recover on its own	The lake will recover on its own
The river and lake will go back eventually	The river will go back eventually	The lake will go back eventually
Let mother nature take care of herself		

**W1A\_19. The problem could/should be solved in other ways?**

YES..... 1

NO ..... 0

Here are some examples of things the respondent might say that would lead you to type a 1 for this decision:

Farmers can get help from the government

There has to be another solution

Don't want to add more chemicals to the environment

Here are some examples of things the respondent might say that would lead you to type a 0 for this decision:

Use a fishing license instead of the tax

Use a hunting license instead of the tax

Use a recreation fee instead of the tax

**W1A\_20. He/she does not trust the government?**

YES..... 1

NO ..... 0

Here are some examples of things the respondent might say that would lead you to type a 1 for this decision:

Don't trust the government

Don't trust the State of Oklahoma

**W1A\_21. He/she does not care about this problem?**

YES..... 1

NO ..... 0

Here are some examples of things the respondent might say that would lead you to type a 1 for this decision:

I don't ever go to the river and lake

I don't ever go to the river

I don't ever go to the lake

Doesn't involve me directly

I'm not affected

No impact on my family

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**W1A\_22.** He/she **did not know or remember** the answers to the questions he/she was asked?

YES..... 1

NO ..... 0

Respondent must explicitly state that he/she did not remember. Do not assume the respondent did not know or remember just because a cell is blank or because the respondent rambled through a non-specific response or for some other reason.

**W1A\_23.** He/she **refused to answer** the questions he/she was asked?

YES..... 1

NO ..... 0

You should type a 1 if the respondent explicitly refused to answer. Do not assume the respondent refused just because the response cell in the file was blank or for some other reason. Should not include blank responses.

**W1A\_24.** The cell where the respondent's answer would appear is **blank**.

YES..... 1

NO ..... 0

You should type a 1 only if there is no response in the cell.

**W1A\_25.** He/she said something that **did not get categorized** with a yes in any of your prior decisions?

YES..... 1

NO ..... 0

## Decisions You Will Make for Survey Question W2

► **W2.** Could you tell me why you aren't sure?

**Did the respondent say that:**

**W2\_1.** The cost is too high for him or her or their household?

YES..... 1

NO ..... 0

The respondent needs to explicitly say that the cost is too high for him or her or their household.

Here are some examples of things the respondent might say that would lead you to type a 1 for this decision:

I can't afford it

On a fixed income

It's more than I can afford

It's more than my household  
can afford

Here are some examples of things the respondent might say that would lead you to type a 0 for this decision:

Cost too high in general

It will cost too much for people  
other than the respondent

**W2\_2.** The cost is too high for people other than the respondent or his/her household?

YES..... 1

NO ..... 0

The respondent must specify that the cost would be too high for other people or someone else.

Here are some examples of things the respondent might say that would lead you to type a 1 for this decision:

Other people might not be able  
to pay

Other people can't afford to  
pay

Here are some examples of things the respondent might say that would lead you to type a 0 for this decision:

The cost is too high in general

**W2\_3.** The benefits of the program are not worth the cost?

YES..... 1

NO ..... 0

Here are some examples of things the respondent might say that would lead you to type a 1 for this decision:

The cost is too much for only a 10-year benefit

**W2\_4.** The cost of the program is too high?

YES..... 1

NO ..... 0

You should type a 1 if the respondent's answer does not specify for whom the cost is too much.

Here are some examples of things the respondent might say that would lead you to type a 1 for this decision:

The cost                                    It would cost too much

Here are some examples of things the respondent might say that would lead you to type a 0 for this decision:

Cost is too high given stated benefits	Cost is too high for the respondent or his/her household	Cost is too high for others
1	2	3
4	5	6
7	8	9
10	11	12
13	14	15
16	17	18
19	20	21
22	23	24
25	26	27
28	29	30
31	32	33
34	35	36
37	38	39
40	41	42
43	44	45
46	47	48
49	50	51
52	53	54
55	56	57
58	59	60
61	62	63
64	65	66
67	68	69
70	71	72
73	74	75
76	77	78
79	80	81
82	83	84
85	86	87
88	89	90
91	92	93
94	95	96
97	98	99
100	101	102
103	104	105
106	107	108
109	110	111
112	113	114
115	116	117
118	119	120
121	122	123
124	125	126
127	128	129
130	131	132
133	134	135
136	137	138
139	140	141
142	143	144
145	146	147
148	149	150
151	152	153
154	155	156
157	158	159
160	161	162
163	164	165
166	167	168
169	170	171
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175	176	177
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316	317	318
319	320	321
322	323	324
325	326	327
328	329	330
331	332	333
334	335	336
337	338	339
340	341	342
343	344	345
346	347	348
349	350	351
352	353	354
355	356	357
358	359	360
361	362	363
364	365	36

**W2\_5. He/she does not want to pay more taxes?**

YES..... 1

NO ..... 0

**W2\_6. People who do not live near or use the river or lake will not want to pay?**

YES..... 1

NO ..... 0

**W2\_7. Users should pay for cleaning up the river or lake?**

YES..... 1

NO ..... 0

The users include people who visit the river and lake for sightseeing or recreation. If the respondent says we should use fishing licenses, hunting licenses, or recreation fees, assume they mean that users should pay.

Here are some examples of things the respondent might say that would lead you to type a 1 for this decision:

People who visit the river or  
lake should pay

**W2\_8. Polluters should pay for cleaning up the river or lake?**

YES..... 1

NO ..... 0

Polluters include the following:

Arkansas chicken farmers	Chicken farms	Oklahoma turkey growers
Arkansas chicken farms	Chicken growers	Oklahoma turkey industry
Arkansas chicken growers	Chicken industry	Oklahoma turkey litter
Arkansas chicken industry	Chicken litter	Oklahoma turkey pollution
Arkansas chicken litter	Chicken pollution	Oklahoma turkey poop
Arkansas chicken pollution	Chicken poop	People who use fertilizers other than poultry litter
Arkansas chicken poop	Oklahoma chicken farmers	Poultry farmers
Arkansas poultry farmers	Oklahoma chicken farms	Poultry farms
Arkansas poultry farms	Oklahoma chicken growers	Poultry growers
Arkansas poultry growers	Oklahoma chicken industry	Poultry industry
Arkansas poultry industry	Oklahoma chicken litter	Poultry litter
Arkansas poultry litter	Oklahoma chicken pollution	Poultry pollution
Arkansas poultry pollution	Oklahoma chicken poop	Poultry poop
Arkansas poultry poop	Oklahoma poultry farmers	Sewage treatment plants
Arkansas turkey farmers	Oklahoma poultry farms	Turkey farmers



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Arkansas turkey farms	Oklahoma poultry growers	Turkey farms
Arkansas turkey growers	Oklahoma poultry industry	Turkey growers
Arkansas turkey industry	Oklahoma poultry litter	Turkey industry
Arkansas turkey litter	Oklahoma poultry pollution	Turkey litter
Arkansas turkey pollution	Oklahoma poultry poop	Turkey pollution
Arkansas turkey poop	Oklahoma turkey farmers	Turkey poop
Chicken farmers	Oklahoma turkey farms	Tyson

**W2\_9. Someone other than users or polluters should pay for cleaning up the river or lake?**

YES..... 1

NO ..... 0

You should type a 1 if respondent says that someone else should pay, but does not specify whether someone else is the polluter or the user.

Here are some examples of things the respondent might say that would lead you to type a 1 for this decision:

We shouldn't have to pay for what they did	I didn't make the mess, so they should clean it up	Farms (general)
Farmers (general)	Corporations / companies (general)	Beef / Cattle farms
Beef / cattle farmers	Any other specific kind of farm, farmer or company other than turkey, chicken, poultry or Tyson	

**W2\_10. He/she does not like the way the payments would be collected?**

YES..... 1

NO ..... 0

Here are some examples of things the respondent might say that would lead you to type a 1 for this decision:

Don't like the one time payment	Don't like the lump sum payment	Think payment should be spread over 5 years
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**W2\_11. The program does not do enough to fix the problem in the river and lake?**

YES..... 1

NO ..... 0

You should only use this category if the respondent mentions not doing enough but does not mention cost. Here are some examples of things the respondent might say that would lead you to type a 1 for this decision:

Didn't think it would do that much	Only get a 10-year benefit	Cleans up in 50 rather than 60 years
The cost is too much for only a 10-year benefit	The cost is too much for such a small impact	Results aren't great enough for such a small cost.

**W2\_12. He/she was not sure whether the program would work?**

YES..... 1

NO ..... 0

The respondent explicitly says that they do not think one or more aspects of the program would actually have the intended benefit or that they were not sure about some other aspect of the program.

Here are some examples of things the respondent might say that would lead you to type a 1 for this decision:

Don't know if it will work	Don't know if alum treatments will work	Don't think it will work
Don't think alum treatments will work	How will they dispose of the litter?	Questions about the logistics of the alum treatments
Don't think the program will stop the problem	Don't believe how long it will take	Thinks the tax will be more than 1 year

**W2\_13. The treatments could have other bad effects that are not known now?**

YES..... 1

NO ..... 0

Here are some examples of things the respondent might say that would lead you to type a 1 for this decision:

Not sure if alum is safe	Don't want to create another problem by using alum
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**W2\_14.** If the **program** is implemented in the river and lake next year, it  
**would be done for other rivers and lakes in Oklahoma in the future?**

YES..... 1

NO ..... 0

**W2\_15.** If taxes are increased for this particular program, the **money might**  
**be used for other purposes?**

YES..... 1

NO ..... 0

Here are some examples of things the respondent might say that would lead you to type a 1 for this decision:

Taxes will be used for cleaning  
up other rivers and lakes in  
Oklahoma

**W2\_16.** This **program only helps a few rivers and/or lakes?**

YES..... 1

NO ..... 0

Here are some examples of things the respondent might say that would lead you to type a 1 for this decision:

Only helps the Illinois River	Only helps Tenkiller lake	Only helps the river and lake
Only helps the river	Only helps the lake	Only helps part of the state's waters

**W2\_17. Other issues are more important?**

YES..... 1

NO ..... 0

Here are some examples of things the respondent might say that would lead you to type a 1 for this decision:

Other issues are more important	Other issues are more pressing	There are better things to spend money on
Should spend money on something else instead	Should spend money on education	Should spend money on repairing roads
Should spend money on reducing crime	Should spend money on improving local libraries	

**W2\_18. He/she wants to let nature solve the problem?**

YES..... 1

NO ..... 0

Here are some examples of things the respondent might say that would lead you to type a 1 for this decision:

The river and lake will recover without alum treatments	The river will recover without alum treatments	The lake will recover without alum treatments
The river and lake will recover on their own	The river will recover on its own	The lake will recover on its own
The river and lake will go back eventually	The river will go back eventually	The lake will go back eventually
Let mother nature take care of herself		

**W2\_19. The problem could/should be solved in other ways?**

YES..... 1

NO ..... 0

Here are some examples of things the respondent might say that would lead you to type a 1 for this decision:

Farmers can get help from the government

There has to be another solution

Don't want to add more chemicals to the environment

Here are some examples of things the respondent might say that would lead you to type a 0 for this decision:

Use a fishing license instead of the tax

Use a hunting license instead of the tax

Use a recreation fee instead of the tax

**W2\_20. He/she does not trust the government?**

YES..... 1

NO ..... 0

Here are some examples of things the respondent might say that would lead you to type a 1 for this decision:

Don't trust the government

Don't trust the State of Oklahoma

**W2\_21. He/she does not care about this problem?**

YES..... 1

NO ..... 0

Here are some examples of things the respondent might say that would lead you to type a 1 for this decision:

I don't ever go to the river and lake

I don't ever go to the river

I don't ever go to the lake

Doesn't involve me directly

I'm not affected

No impact on my family

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**W2\_22.** He/she **did not know or remember** the answers to the questions he/she was asked?

YES..... 1

NO ..... 0

Respondent must explicitly state that he/she did not remember. Do not assume the respondent did not know or remember just because a cell is blank or because the respondent rambled through a non-specific response or for some other reason.

**W2\_23.** He/she **refused to answer** the questions he/she was asked?

YES..... 1

NO ..... 0

You should type a 1 if the respondent explicitly refused to answer. Do not assume the respondent refused just because the response cell in the file was blank or for some other reason. Should not include blank responses.

**W2\_24.** The cell where the respondent's answer would appear is **blank**.

YES..... 1

NO ..... 0

You should type a 1 only if there is no response in the cell.

**W2\_25.** He/she said something that **did not get categorized** with a yes in any of your prior decisions?

YES..... 1

NO ..... 0

### Decisions You Will Make for Survey Question W3

- **W3.** What would spreading alum do that made you vote for it?

#### Did the respondent say that:

**W3\_1.** The program will speed up the recovery of the river and/or lake?

YES..... 1

NO ..... 0

Here are some examples of things the respondent might say that would lead you to type a 1 for this decision:

It would clean things up faster

**W3\_2.** The program will help the area around the river and lake?

YES..... 1

NO ..... 0

This includes the fish, insects, small animals, plants, and wildlife.

Here are some examples of things the respondent might say that would lead you to type a 1 for this decision:

Keeping water clean	Keeping river clean	Keeping lake clean
Keeping river and lake clean	Keeping fish healthy	Reducing algae
Less pollution	The area will be pretty	Make it nicer
Make it look better / be beautiful	It will reduce phosphorus	I want the river to be clean

Here are some examples of things the respondent might say that would lead you to type a 0 for this decision:

Anything related to human health	Anything related to cleaning it up faster	Anything related environment in general
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**W3\_3. The program would reduce risks to human health?**

YES..... 1

NO ..... 0

Responses coded here should specifically refer to some aspect of health or safety. Here are some examples of things the respondent might say that would lead you to type a 1 for this decision:

Any mention about increasing  
safety of water to drink

It will be safe to swim in.

Any mention about increasing  
safety of water for fish to eat

There will be less chance of  
getting sick from swimming,  
drinking water or eating fish.

**W3\_4. The program will protect the environment in general?**

YES..... 1

NO ..... 0

**W3\_4b. The program will bring the lake back to its earlier state.**

YES..... 1

NO ..... 0

Here are some examples of things the respondent might say that would lead you to type a 0 for this decision:

Want to see it back to what it  
was like when I was a kid

Want to see it back to what it  
was like in the 50's or 60's.

Will be clean again like it was  
before.

Want to see the problem  
solved.

**W3\_5. He/she is concerned about the environment?**

YES..... 1

NO ..... 0



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**W3\_6. One or more people other than the respondent in his/her household is concerned about the environment?**

YES..... 1

NO ..... 0

**W3\_7. Someone other than the respondent and other than the people in his/her household is personally concerned about the environment?**

YES..... 1

NO ..... 0

Here are some examples of things the respondent might say that would lead you to type a 0 for this decision:

The respondent is concerned about the environment

The respondent's household is concerned about the environment

**W3\_8. He/she would benefit from the program?**

YES..... 1

NO ..... 0

Responses should focus here on respondent being able to use the river, lake or surrounding areas. Here are some examples of things the respondent might say that would lead you to type a 1 for this decision:

I would be able to swim there again

My family could go in the water

I'd be able to fish again

**W3\_9. The program will benefit people other than the respondent?**

YES..... 1

NO ..... 0

Here are some examples of things the respondent might say that would lead you to type a 1 for this decision:

Program will make it possible  
for others to enjoy the area

Program will benefit future  
generations

Would help bring tourists to  
Oklahoma

Good for the future.

**W3\_10. Society is responsible for fixing it?**

YES..... 1

NO ..... 0

If the respondent's answer says people are responsible for fixing the problem, but they don't say what people, type 1.

Here are some examples of things the respondent might say that would lead you to type a 1 for this decision:

If people made the mess, they  
should help clean it

**W3\_11. The program will have benefits other than cleaning up the Illinois River and cleaning up Tenkiller Lake?**

YES..... 1

NO ..... 0

**W3\_12. He/she did not know or remember the answers to the questions he/she was asked?**

YES..... 1

NO ..... 0

Respondent must explicitly state that he/she did not remember. Do not assume the respondent did not know or remember just because a cell is blank or because the respondent rambled through a non-specific response or for some other reason.

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**W3\_13.** He/she **refused to answer** the questions he/she was asked?

YES..... 1

NO ..... 0

You should type a 1 if the respondent explicitly refused to answer. Do not assume the respondent refused just because the response cell in the file was blank or for some other reason. Should not include blank responses.

**W3\_14.** The cell where the respondent's answer would appear is **blank**.

YES..... 1

NO ..... 0

You should type a 1 only if there is no response in the cell.

**W3\_15.** He/she said something that **did not get categorized** with a yes in any of your prior decisions?

YES..... 1

NO ..... 0

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**Decisions You Will Make for Survey Question Q56B**

- **Q56B.** What made you think that it tried to push you to vote one way or the other?

**Did the respondent say that:**

**Q56B\_1.** The alum treatment program was the only clean-up method described by the survey?

YES..... 1

NO ..... 0

Here are some examples of things the respondent might say that would lead you to type a 1 for this decision:

Only option described

**Q56B\_2.** The information did not describe how the river and lake could recover on their own naturally until the end of the interview?

YES..... 1

NO ..... 0

**Q56B\_3.** He/she did not have enough information to make a decision?

YES..... 1

NO ..... 0

Here are some examples of things the respondent might say that would lead you to type a 1 for this decision:

Did not talk about certain aspects of the program

Did not talk about how the waste would be disposed of

**Q56B\_4. The information was slanted in favor of alum treatments?**

YES..... 1

NO ..... 0

Here are some examples of things the respondent might say that would lead you to type a 1 for this decision:

Statements slanted toward alum treatments	A lot of talk about alum treatments	Too many pros
--	--	---------------

Here are some examples of things the respondent might say that would lead you to type a 1 for this decision:

Info was slanted	Opposite parties not involved	Any other response that does not identify whether info was biased for or against.
One sided	Forced choice	

**Q56B\_5. The information was slanted against alum treatments?**

YES..... 1

NO ..... 0

Here are some examples of things the respondent might say that would lead you to type a 1 for this decision:

Statements slanted against alum treatments	Not enough talk about alum treatments	Too many cons
---	--	---------------

Here are some examples of things the respondent might say that would lead you to type a 1 for this decision:

Info was slanted	Opposite parties not involved	Any other response that does not identify whether info was biased for or against.
One sided	Forced choice	

**Q56B\_6. The survey exaggerated the seriousness of the problem?**

YES..... 1

NO ..... 0

Responses which indicate they thought the lake would recover faster than the survey claims or that the program would not reduce the problem as quickly as claimed should be coded as 1 here. Here are some examples of things the respondent might say that would lead you to type a 1 for this decision:

I don't think the pollution is that bad.	I don't believe it will really take that long for the lake to recover.	The repetition of the questions
The timeline for recovery with alum treatments	The timetable for recovery with alum treatments	The promise of things being as clean as they were in 1960
The timeline for natural recovery	The timetable for natural recovery	
Made it look like the water would be cleaner	Made it look like that water would be clearer	

**Q56B\_7. The survey understated the seriousness of the problem?**

YES..... 1

NO ..... 0

**Q56B\_8. INTENTIONALLY OMITTED****Q56B\_9. The proposed cost of the program would not be enough to pay for all described repairs?**

YES..... 1

NO ..... 0

**Q56B\_10. He/she did not know or remember the answers to the questions he/she was asked?**

YES..... 1

NO ..... 0

Respondent must explicitly state that he/she did not remember. Do not assume the respondent did not know or remember just because a cell is blank or because the respondent rambled through a non-specific response or for some other reason.

---

**Q56B\_11.** He/she **refused to answer** the questions he/she was asked?

YES..... 1

NO ..... 0

You should type a 1 if the respondent explicitly refused to answer. Do not assume the respondent refused just because the response cell in the file was blank or for some other reason. Should not include blank responses.

**Q56B\_12.** The cell where the respondent's answer would appear is **blank**.

YES..... 1

NO ..... 0

You should type a 1 only if there is no response in the cell.

**Q56B\_13.** He/she said something that **did not get categorized** with a yes in any of your prior decisions?

YES..... 1

NO ..... 0

### D.2.3 Summary of verbatim responses to the open-ended questions

Interviewers asked respondents several open-ended questions throughout the interview, which were designed to help The Team learn more about what respondents were thinking. The Team had TST code some of the verbatim responses to the open-ended questions and developed a coding manual in order to help the subcontractor code the verbatim responses (see Appendix D.2.2 for the full coding manual). The subcontractor coded verbatim responses for the following questions.

- ▶ **Q17A.** What had you heard? (follows Q17: Before today, had you heard anything about the changes in the river or lake that I just described?)
- ▶ **Q18A.** What changes have you seen? (follows Q18: Have you personally seen any of these changes in the river or lake, or have you not seen any of these changes?)
- ▶ **Q20A.** What have you heard? (follows Q20: Before today had you heard anything about why there is now more phosphorus in the river and lake than in around 1960?)
- ▶ **Q22A.** What had you heard? (follows Q22: Before today, had you heard that alum could reduce algae in water?)
- ▶ **W1A.** Why did you vote against the alum treatments?
- ▶ **W2.** Could you tell me why you aren't sure?
- ▶ **W3.** What would spreading alum do that made you vote for it?
- ▶ **Q56B.** What made you think that it tried to push you to vote one way or the other?

### Summary of verbatim responses for the base questionnaire

**Table D.67. "What had you heard?" (About the changes in the river or lake)**

<b>Coding category</b>	<b>% of respondents<sup>a</sup> (N = 351)</b>
Poultry industry/litter caused changes	25.6%
Water is murkier	15.7%
Heard about changes (no specifics)	13.4%
Heard about other changes	13.1%
Other	12.0%
There is more pollution	11.1%



**Table D.67. “What had you heard?” (About the changes in the river or lake)**

<b>Coding category</b>	<b>% of respondents<sup>a</sup> (N = 351)</b>
Changes caused by something else	10.3%
More algae	8.0%
Fewer or smaller fish	5.4%
Heard about a lawsuit	4.3%
Algae caused changes	2.3%
Changes in other rivers or lakes	1.7%
Types of fish species are different	1.4%
Phosphorous caused changes	1.1%
Sewage caused changes	0.9%
Uses the river or lake less than before	0.6%
Non-litter fertilizers caused changes	0.3%
Less oxygen in river or lake	0.3%

a. Percentages can add up to more than 100% because individuals could provide more than one reason

**Table D.68. “What changes have you seen?” (About personally seeing changes in the river or lake)**

<b>Coding category</b>	<b>% of respondents<sup>a</sup> (N = 248)</b>
Water is murkier	54.0%
Seen other changes	31.9%
More algae	20.6%
There is more pollution	6.9%
Fewer or smaller fish	5.2%
Other	5.2%
Uses the river or lake less than before	4.0%
Has seen changes (no specifics)	4.0%
Seen changes in other rivers or lakes	1.6%
Types of fish species are different	0.8%

a. Percentages can add up to more than 100% because individuals could provide more than one reason

**Table D.69. “What had you heard?” (About why there is now more phosphorus in the river and lake than in around 1960)**

<b>Coding category</b>	<b>% of respondents<sup>a</sup> (N = 370)</b>
Poultry industry/litter caused increase	65.4%
Other	21.6%
Increase caused by something else	14.3%
Non-litter fertilizers caused increase	3.2%
Sewage caused increase	1.4%
Algae caused increase	1.1%
Don't know/ Doesn't remember	0.5%
Increase in other rivers or lakes	0.3%

a. Percentages can add up to more than 100% because individuals could provide more than one reason

**Table D.70. “What had you heard?” (About alum reducing algae in water)**

<b>Coding category</b>	<b>% of respondents<sup>a</sup> (N = 99)</b>
Other	54.5%
Reduces algae	17.2%
Can clean or clear up water	16.2%
Used in water treatment plants	11.1%
Don't know/ Doesn't remember	1.0%
Refused	1.0%

a. Percentages can add up to more than 100% because individuals could provide more than one reason

**Table D.71. Reasons for voting “against” the program**

<b>Coding category</b>	<b>% of respondents<sup>a</sup> (N = 417)</b>
Cost is too high for respondent/household	18.0%
Other issues are more important	15.1%
Let nature solve the problem	13.2%
Does not want to pay more taxes	9.6%
Cost of program is too high	9.4%
Other	8.6%
Not sure if the program would work	7.4%
Cost too high for others	6.5%
Program only helps a few rivers and/or lakes	6.2%
Treatments could have unknown bad effects	6.0%
Does not care about the problem	5.8%
Does not like way payment would be collected	5.0%
Problem could/should be solved other ways	4.6%
Polluters should pay	3.6%
Someone else should pay	2.9%
Money might be used for other purposes	2.4%
Benefits are not worth cost	2.4%
People not near lake won't want to pay	1.9%
Does not trust government	1.4%
Program does not do enough	1.2%
Users should pay	1.2%
Don't know/ Doesn't remember	0.2%
Refused	0.2%
a. Percentages can add up to more than 100% because individuals could provide more than one reason	

**Table D.72. Could you tell me why you aren't sure?**

<b>Coding category</b>	<b>% of respondents<sup>a</sup> (N = 17)</b>
Other	29.4%
Cost too high for others	17.6%
Cost is too high for Respondent/Household	11.8%
Users should pay	5.9%
Does not like way payment would be collected	5.9%
Not sure if the program would work	5.9%
Money might be used for other purposes	5.9%
Problem could/should be solved other ways	5.9%
Cost of program is too high	5.9%
Does not want to pay more taxes	5.9%

a. Percentages can add up to more than 100% because individuals could provide more than one reason

**Table D.73. Reasons for voting "for" the program**

<b>Coding category</b>	<b>% of respondents<sup>a</sup> (N = 659)</b>
Program will help area around river and lake	39.6%
Program will benefit others	22.2%
Program will speed up the recovery	20.6%
Program will bring lake back to earlier state	11.5%
Other	9.0%
Program reduces risk to human health	4.7%
Respondent would benefit from program	4.2%
Program will protect environment in general	4.2%
Respondent is concerned about environment	2.6%
Program has other benefits than cleaning water	2.3%
Society is responsible for fixing problem	0.9%
Others in household concerned about environment	0.2%
Don't know/ Doesn't remember	0.2%

a. Percentages can add up to more than 100% because individuals could provide more than one reason

**Table D.74. “What made you think that it tried to push you one way or the other?”**

<b>Coding category</b>	<b>% of respondents<sup>a</sup> (N = 92)</b>
Other	50.0%
Information slanted in favor of alum treatments	31.5%
Survey exaggerated seriousness of problem	9.8%
Not enough information to make decision	6.5%
Alum treatment only clean-up method described	3.3%
Natural recovery not described until end	1.1%
a. Percentages can add up to more than 100% because individuals could provide more than one reason	

**Summary of verbatim responses for the scope questionnaire****Table D.75. “What had you heard?” (About the changes in the river or lake) (Scope)**

<b>Coding category</b>	<b>% of respondents<sup>a</sup> (N = 186)</b>
Poultry industry/litter caused changes	15.9%
Heard about other changes	14.6%
There is more pollution	12.6%
Water is murkier	10.5%
Other	10.0%
Heard about changes (no specifics)	7.1%
More algae	6.7%
Changes caused by something else	6.3%
Fewer or smaller fish	5.4%
Changes in other rivers or lakes	2.9%
Heard about a lawsuit	2.5%
Uses the river or lake less than before	2.1%
Algae caused changes	1.3%
Non-litter fertilizers caused changes	0.8%
Sewage caused changes	0.4%
Phosphorous caused changes	0.4%

**Table D.75. “What had you heard?” (About the changes in the river or lake) (Scope)**

<b>Coding category</b>	<b>% of respondents<sup>a</sup> (N = 186)</b>
Types of fish species are different	0.4%
a. Percentages can add up to more than 100% because individuals could provide more than one reason	

**Table D.76. “What changes have you seen?” (About personally seeing changes in the river or lake) (Scope)**

<b>Coding category</b>	<b>% of respondents<sup>a</sup> (N = 124)</b>
Water is murkier	41.6%
Seen other changes	24.3%
More algae	17.3%
Uses the river or lake less than before	4.0%
Fewer or smaller fish	3.5%
Has seen changes (no specifics)	3.5%
Other	3.5%
There is more pollution	1.2%
Seen changes in other rivers or lakes	0.6%
Heard about a lawsuit	0.6%
a. Percentages can add up to more than 100% because individuals could provide more than one reason	

**Table D.77. “What had you heard?” (About why there is now more phosphorus in the river and lake than in around 1960) (Scope)**

<b>Coding category</b>	<b>% of respondents<sup>a</sup> (N = 192)</b>
Poultry industry/litter caused increase	58.6%
Other	21.9%
Increase caused by something else	11.4%
Non-litter fertilizers caused increase	3.3%
Increase in other rivers or lakes	2.4%
Sewage caused increase	1.4%
Algae caused increase	1.0%

a. Percentages can add up to more than 100% because individuals could provide more than one reason

**Table D.78. “What had you heard?” (About alum reducing algae in water) (Scope)**

<b>Coding category</b>	<b>% of respondents<sup>a</sup> (N = 43)</b>
Other	32.6%
Reduces algae	27.9%
Can clean or clear up water	27.9%
Used in water treatment plants	9.3%
Don't know/ Doesn't remember	2.3%

a. Percentages can add up to more than 100% because individuals could provide more than one reason

**Table D.79. Reasons for voting “against” the program (Scope)**

<b>Coding category</b>	<b>% of respondents<sup>a</sup> (N = 297)</b>
Program does not do enough	18.5%
Let nature solve the problem	12.0%
Other issues are more important	11.8%
Benefits are not worth cost	8.5%
Cost is too high for Respondent/Household	8.3%
Cost of program is too high	6.5%
Other	5.3%
Does not care about the problem	4.8%
Problem could/should be solved other ways	3.8%
Program only helps a few rivers and/or lakes	3.5%
Does not want to pay more taxes	3.3%
Polluters should pay	2.8%
Cost too high for others	2.5%
Treatments could have unknown bad effects	2.3%
Not sure if the program would work	1.8%
Someone else should pay	1.5%
Does not like way payment would be collected	1.0%
Money might be used for other purposes	1.0%
Users should pay	0.5%
Program would be done for other rivers/lakes	0.3%
Does not trust government	0.3%
Don't know/ Doesn't remember	0.3%
a. Percentages can add up to more than 100% because individuals could provide more than one reason	